

# USCMS Engineer Status Report for July 2004

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## 1 Work Performed This Month

### IGUANACMS ———

- o) Porting to the new COBRA API in 7.8.6. Initialization of simple configurables has been moved to the level of applications.
- o) Event menu has been pulled out of the File menu to avoid conflicts with automatically generated menus of the MDI windows and their focus in/out events.
- o) A possibility to pre select an application is added by request from the users who do not like clicking too much.
- o) Updated web pages and documentation.
- o) New developer added Nicola Amapane who is planning to use IGUANACMS for the test-beams.

### IGUANA ———

- o) QXEmbed class has been removed, the examples which were using it modified. The reason is that the class is Linux-specific and will not work on MacOS.
- o) Investigation on the way about newly released version of Coin3D. The TGS offsite license has expired, NAG doesn't recognize it. We are pressed to move to public domain software. There is a good chance, that we succeed.

### Mac OS ———

- o) New G5 has been delivered. It is an extremely nice computer! It has been registered on the network as macuscms05. Remotely run graphics applications give 1000 times better performance! Have a look at the tracker vector postscript pictures, they were crawling on my DELL and are flying on Mac.

Summer student supervision: —————

A Hungarian student joined us for four month. He is doing a detailed display of photon conversions in tracker for ECAL studies.

PR –

o) Several pictures have been prepared for CERN Courier cover: the date were produced in Wisconsin, transfered to CERN, later transfered to Bari Tier-2 center during DC04 using GridFTP, prepared for analysis with Pool xml catalog and runs attached to virgin META data, analyzed both locally and in a GRID LCG2 environment.

o) More pictures were prepared for "Innovation Globe" which being built outside CERN for the 50th anniversary. Using IGUANACMS graphics output of simulated data for their exhibition is being discussed.

## 2 Plans For Next Month

IGUANACMS tutorial: is in preparation. Agreed with Stephan on the date.

DST visualisation: complete list of collections with hierarchies.

Porting to Coin3D. Tests.

IGUANACMS port to new SEAL 1.4.0 plugin manager.

Two oral CHEP presentations to be prepared.

## 3 Longer Term Plans

MacOS port.

## 4 Links To Supporting Documentation

- <http://iguana.web.cern.ch/iguana/docs/>
- <http://iguana.web.cern.ch/iguana/docs/pictures/>
- <http://iguana.web.cern.ch/iguana/docs/pictures/tracker/>
- <http://iguanacms.web.cern.ch/iguanacms/>